

Title (en)

STRAIN OF MICROORGANISM CLONOSTACHYS ROSEA F. CATENULATA AS A BIOFUNGICIDE, PLANT GROWTH STIMULANT AND METABOLITE PRODUCER FOR AGRICULTURAL USE

Title (de)

STAMM DES MIKROORGANISMUS CLONOSTACHYS ROSEA F. CATENULATA ALS BIOFUNGIZID, PFLANZENWACHSTUMSSTIMULANS UND METABOLITERZEUGER ZUR ANWENDUNG IN DER LANDWIRTSCHAFT

Title (fr)

SOUCHE DE MICRO-ORGANISME CLONOSTACHYS ROSEA F. CATENULATA UTILISÉE COMME BIOFONGICIDE, STIMULATEUR DE CROISSANCE DE PLANTES ET PRODUCTEUR DE MÉTABOLITES À USAGE AGRICOLE

Publication

EP 3626815 B1 20240207 (EN)

Application

EP 17909797 A 20170526

Priority

- RU 2017117282 A 20170518
- RU 2017000357 W 20170526

Abstract (en)

[origin: EP3626815A1] The invention relates to biotechnology and agricultural microbiology, more particularly to producing bacterial strains with fungicidal, antibacterial and growth-stimulating properties. A strain VKPM-F 1324 of *Clonostachys rosea* f. *catenulata* was produced. This strain demonstrates fungicidal properties and growth-stimulating activity and can be used as a crop protection product against various diseases caused by fungal and bacterial phytopathogens. Moreover, the strain is a producer of valuable metabolites, such as amino acids and phytohormones, which are used in agriculture. The invention, by virtue of the properties thereof, makes it possible to increase crop yield.

IPC 8 full level

C12N 1/14 (2006.01); **A01H 17/00** (2006.01); **A01N 25/22** (2006.01); **C12R 1/645** (2006.01)

CPC (source: EA EP RU US)

A01H 17/00 (2013.01 - EA RU); **A01N 25/22** (2013.01 - EA RU); **A01N 63/30** (2020.01 - EA EP RU US); **C12N 1/14** (2013.01 - EA EP RU); **C12N 1/145** (2021.05 - EP US); **C12R 2001/645** (2021.05 - EP US); **Y02A 40/10** (2018.01 - EP)

Cited by

CN111471598A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3626815 A1 20200325; **EP 3626815 A4 20210324**; **EP 3626815 B1 20240207**; EA 039448 B1 20220128; EA 201992459 A1 20200409; RU 2644338 C1 20180208; UA 124652 C2 20211020; WO 2018212673 A1 20181122

DOCDB simple family (application)

EP 17909797 A 20170526; EA 201992459 A 20170526; RU 2017000357 W 20170526; RU 2017117282 A 20170518; UA A201911985 A 20170526